

# 6



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Federal Agencies

November 21, 2002

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Commissioner for Patents  
Washington, D.C. 20231

**Art Unit 1645**

Re: U.S. Utility Patent Application  
Appl. No. 10/050,902; Filed: January 18, 2002  
For: **Molecular Antigen Array**  
Inventors: Renner *et al.*  
Our Ref: 1700.0190004/JAG/BJD/SJE

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**TECH CENTER 1600/2900**

Sir:

Transmitted herewith for appropriate action are the following documents:

1. First Supplemental Information Disclosure Statement;
2. Form PTO-1449 listing the cited documents (seventy-eight (78) pages);
3. Copies of the cited documents; and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents

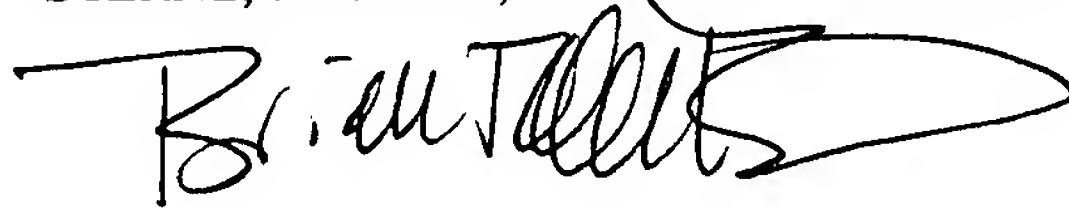
November 21, 2002

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The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Brian J. Del Buono", with a large, sweeping flourish at the end.

Brian J. Del Buono  
Attorney for Applicants  
Registration No. 42,473

JAG/BJD/SJE:krh

Enclosures

SKGF\_DC1:77506.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

RENNER *et al.*

Appl. No. 10/050,902

Filed: January 18, 2002

For: **Molecular Antigen Array**

Confirmation No. 7792

Art Unit: 1645

Examiner: *To be assigned*

Atty. Docket: 1700.0190004/JAG/BJD/SJE

**First Supplemental Information Disclosure Statement**

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Commissioner for Patents  
Washington, D.C. 20231

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Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. This Information Disclosure Statement is supplemental to an Information Disclosure Statement that was electronically filed on November 14, 2002.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to non-English language document AT37 cited on Form PTO 1449:

Document **AT37**, Kozlovskaya, T.M., *et al.*, "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," *Dokl. Akad. Nauk. SSSR* 287:452-455 (1986), is in the Russian language. An unverified English language abstract (from STNEasy/CAplus) is attached as Document **AR38**.

The Examiner is referred to the following related, co-pending patent applications:

U.S. Patent Application No. 09/449,631, filed November 30, 1999, inventors Renner *et al.*, submitted herewith as **AR77**;

U.S. Patent Application No. 10/050,898, filed January 18, 2002, inventors Renner *et al.*, submitted herewith as **AS77**.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Brian J. Del Buono  
Attorney for Applicants  
Registration No. 42,473

Date: Nov. 21, 2002

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FORM PTO-1449

FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1700.0190004/JAG/BJD/SJEAPPLICATION NO.  
10/050,902APPLICANT  
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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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	AL1	WO 92/11291 A1	07/09/1992	WIPO			Yes No
	AM1	WO 96/30523 A2	10/03/1996	WIPO			Yes No
	AN1	WO 97/31948 A1	09/04/1997	WIPO			Yes No
	AO1	WO 98/15631 A1	04/16/1998	WIPO			Yes No
	AP1	WO 00/32227 A2	06/08/2000	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>1</u>	Abraham, J.M., et al., "An invertible element of DNA controls phase variation of type 1 fimbriae of <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 82:5724-5727, National Academy Press (1985)
	AS	<u>1</u>	Abraham, S.N., et al., "Glycerol-Induced Unraveling of the Tight Helical Conformation of <i>Escherichia coli</i> Type 1 Fimbriae," <i>J. Bacteriol.</i> 174:5145-5148, American Society for Microbiology (1992)
	AT	<u>1</u>	Adhin, M.R., et al., "Nucleotide Sequence from the ssRNA Bacteriophage JP34 Resolves the Discrepancy between Serological and Biophysical Classification," <i>Virology</i> 170:238-242, Academic Press, Inc. (1989)

EXAMINER

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	AL2	WO 00/59928 A1	10/12/2000	WIPO			Yes No
	AM2	WO 00/23955 A1	04/27/2000	WIPO			Yes No
	AN2	WO 01/62284 A2	08/30/2001	WIPO			Yes No
	AO2	WO 01/85208 A2	11/15/2001	WIPO			Yes No
	AP						Yes No

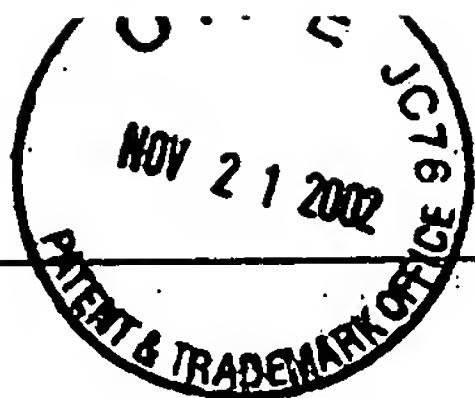
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Aguzzi, A., "Prion diseases, blood and the immune system: concerns and reality," <i>Haematologica</i> 85:3-10, Il Pensiero Scientifico Editore (January 2000)
	AS	2	Ansel, K.M., et al., "In Vivo-activated CD4 T Cells Upregulate CXC Chemokine Receptor 5 and Reprogram Their Response to Lymphoid Chemokines," <i>J. Exp. Med.</i> 190:1123-1134, The Rockefeller University Press (1999)
	AT	2	Ansel, K.M., et al., "A chemokine-driven positive feedback loop organizes lymphoid follicles," <i>Nature</i> 406:309-314, Nature Publishing Group (July 2000)

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	3	Antonyamy, M.A., et al., "Evidence for a Role of IL-17 in Organ Allograft Rejection: IL-17 Promotes the Functional Differentiation of Dendritic Cell Progenitors," <i>J. Immunol.</i> 162:577-584, The American Association of Immunologists (1999)
	AS	3	Arenberg, D.A., et al., "The murine CC chemokine, 6C-kine, inhibits tumor growth and angiogenesis in a human lung cancer SCID mouse model," <i>Cancer Immunol. Immunother.</i> 49:587-592, Springer-Verlag (January 2001)
	AT	3	Arnon, R., et al., "A mimotope peptide-based vaccine against <i>Schistosoma mansoni</i> : synthesis and characterization," <i>Immunology</i> 101:555-562, Blackwell Science, Ltd. (December 2000)

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	4	Bachmann, M.F., and Zinkernagel, R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558, Elsevier Science, Ltd. (1996)
	AS	4	Bachmann, M.F., and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270; Annual Reviews, Inc. (1997)
	AT	4	Bachmann, M.F., et al., "TRANCE, a Tumor Necrosis Factor Family Member Critical for CD40 Ligand-independent T Helper Cell Activation," <i>J. Exp. Med.</i> 189:1025-1031, The Rockefeller University Press (1999)

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>5</u>	Banerjee, R.R., and Lazar, M.A., "Dimerization of Resistin and Resistin-like Molecules Is Determined by a Single Cysteine," <i>J. Biol. Chem.</i> 276:25970-25973, The American Society for Biochemistry and Molecular Biology, Inc. (July 2001)
	AS	<u>5</u>	Bard, F. et al., "Peripherally administered antibodies against amyloid $\beta$ -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nat. Med.</i> 6:916-919, Nature Publishing Company (August 2000)
	AT	<u>5</u>	Bass, S., and Yang, M., "Expressing cloned genes in <i>Escherichia coli</i> ," in <i>Protein Function: A Practical Approach</i> , 2nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, pp. 29-55 (1997)

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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>6</u>	Bernhagen, J., et al., "Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF)," <i>Biochemistry</i> 33:14144-14155, American Chemical Society (1994)
	AS	<u>6</u>	Biaselle, C.J., and Millar, D.B., "Studies on Triton X-100 detergent micelles," <i>Biophys. Chem.</i> 3:355-361, North-Holland Publishing Company (1975)
	AT	<u>6</u>	Bleul, C.C., et al., "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusin and blocks HIV-1 entry," <i>Nature</i> 382:829-833, Nature Publishing Group (1996)

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Blomfield, I.C., et al., "Type 1 Fimbriation and <i>fimE</i> Mutants of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 173:5298-5307, American Society for Microbiology (1991)
	AS	2	Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 23:705-717, Blackwell Science, Ltd. (1997)
	AT	2	Boder, E.T., and Wittrup, K.D., "Yeast Surface Display for Directed Evolution of Protein Expression, Affinity, and Stability," <i>Methods Enzymol.</i> 328:430-444, Academic Press (October 2000)

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	AR	8	Bonci, A., et al., "Relatedness and Phylogeny Within the Family of Periplasmic Chaperones Involved in the Assembly of Pili or Capsule-Like Structures of Gram-Negative Bacteria," J. Mol. Evol. 44:299-309, Springer-Verlag (1997)
	AS	8	Brandner, S., et al., "A crucial role for B cells in neuroinvasive scrapie," Transfus. Clin. Biol. 6:17-23, Elsevier, Paris (1999)
	AT	8	Brinton, Jr., C.C., "The structure, function, synthesis and genetic control of bacterial pili and a molecular model for DNA and RNA transport in gram negative bacteria," Trans. N.Y. Acad. Sci. 27:1003-1054, New York Academy of Sciences (1965)

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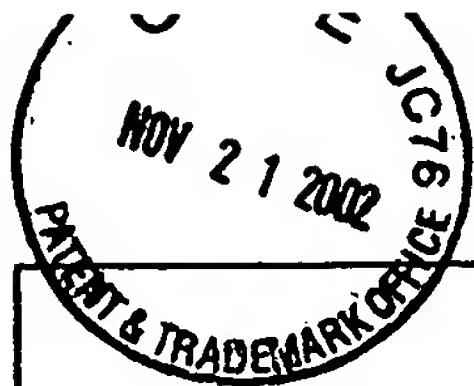
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Brown, K.D., et al., "A family of small inducible proteins secreted by leukocytes are members of a new superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factors, and indicators of various activation processes," <i>J. Immunol.</i> 142:679-687, The American Association of Immunologists (1989)
	AS	2	Brown, P.M., et al., "A Single-Step Purification of Biologically Active Recombinant Human Interleukin-5 from a Baculovirus Expression System," <i>Protein Expr. Purif.</i> 6:63-71, Academic Press, Inc. (1995)
	AT	2	Brown, K.L., et al., "Scrapie replication in lymphoid tissues depends on prion protein-expressing follicular dendritic cells," <i>Nat. Med.</i> 11:1308-1312, Nature Publishing Company (1999)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>10</u>	Bullitt, E., et al., "Development of pilus organelle subassemblies in vitro depends on chaperone uncapping of a beta zipper," <i>Proc. Natl. Acad. Sci. USA</i> 93:12890-12895, National Academy Press (1996)
	AS	<u>10</u>	Bullitt, E., and Makowski, L., "Bacterial Adhesion Pili Are Heterologous Assemblies of Similar Subunits," <i>Biophys. J.</i> 74:623-632, Biophysical Society (1998)
	AT	<u>10</u>	Burger, J.A., et al., "Blood-derived nurse-like cells protect chronic lymphocytic leukemia B cells from spontaneous apoptosis through stromal cell-derived factor-1," <i>Blood</i> 96:2655-2663, The American Society of Hematology (October 2000)

EXAMINER

DATE CONSIDERED

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>11</u>	Burghoff, R.L., et al., "Utilization of the Mouse Large Intestine To Select an Escherichia coli F-18 DNA Sequence That Enhances Colonizing Ability and Stimulates Synthesis of Type 1 Fimbriae," <i>Infect. Immun.</i> 61:1293-1300, American Society for Microbiology (1993)
	AS	<u>11</u>	Cannon-Carlson S., et al., "Expression, Purification, and Characterization of Recombinant Human Interleukin-13 from NS-O Cells," <i>Protein Expr. Purif.</i> 12:239-248, Academic Press (1998)
	AT	<u>11</u>	Chabaud, M., et al., "Enhancing Effect of IL-17 on IL-1-Induced IL-6 and Leukemia Inhibitory Factor Production by Rheumatoid Arthritis Synoviocytes and Its Regulation by Th2 Cytokines," <i>J. Immunol.</i> 161: 409-414, The American Association of Immunologists (1998)

EXAMINER

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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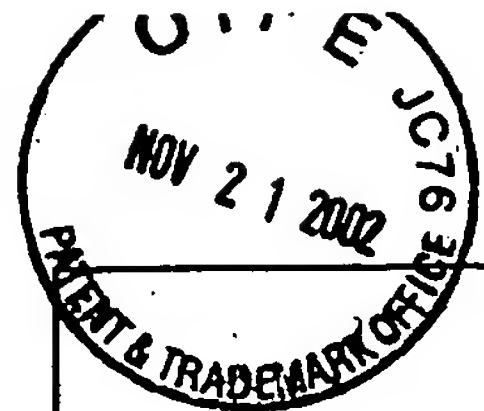
	AR	<u>12</u>	Chabaud, M., et al., "Human Interleukin-17. A T Cell-Derived Proinflammatory Cytokine Produced by the Rheumatoid Synovium," <i>Arthritis Rheum.</i> 42:963-970, Wiley-Liss, Inc. (1999)
	AS	<u>12</u>	Chabaud, M., et al., "Contribution of Interleukin 17 to synovium matrix destruction in rheumatoid arthritis," <i>Cytokine</i> 12:1092-1099, Cell Press (July 2000)
	AT	<u>12</u>	Clark, H.F., et al., "Comparative Characterization of a C-Type Virus-Producing Cell Line (VSW) and a Virus-Free Cell Line (VH2) From <i>Vipera russelli</i> ," <i>J. Natl. Cancer Inst.</i> 51:645-657, Oxford University Press (1973)

EXAMINER

DATE CONSIDERED

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	13	Clark-Lewis, I., et al., "Chemical Synthesis, Purification, and Characterization of Two Inflammatory Proteins, Neutrophil Activating Peptide 1 (Interleukin-8) and Neutrophil Activating Peptide 2," <i>Biochemistry</i> 30:3128-3135, American Chemical Society (1991)
	AS	13	Coffman, R.L., et al., "Antibody to Interleukin-5 Inhibits Helminth-Induced Eosinophilia in Mice," <i>Science</i> 245:308-310, American Association for the Advancement of Science (1989)
	AT	13	Cohen, C., and Parry D.A.D., " $\alpha$ -Helical coiled coils-a widespread motif in proteins," <i>Trends Biochem. Sci.</i> 11:245-248, Elsevier Science Publishers B.V. (1986)

EXAMINER

DATE CONSIDERED

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>14</u>	Corti, M., et al., "GM1-ganglioside-Triton X-100 mixed micelles: changes of micellar properties studied by laser-light scattering and enzymatic methods," <i>Chem. Phys. Lipids</i> 28:197-214, Elsevier/North-Holland Scientific Publishers, Ltd. (1981)
	AS	<u>14</u>	Coutelier, J.-P., et al., "IgG2a Restriction of murine antibodies elicited by viral infections," <i>J. Exp. Med.</i> 165:64-69, The Rockefeller University Press (1987)
	AT	<u>14</u>	Crump, M.P., et al., "Solution Structure of Eotaxin, a Chemokine That Selectively Recruits Eosinophils in Allergic Inflammation," <i>J. Biol. Chem.</i> 273:22471-22479, The American Society for Biochemistry and Molecular Biology, Inc. (1998)

EXAMINER

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	15	Davis, N.L., et al., "In Vitro Synthesis of Infectious Venezuelan Equine Encephalitis Virus RNA from a cDNA Clone: Analysis of a Viable Deletion Mutant," Virology 171:189-204, Academic Press (1989)
	AS	15	Daugherty, P.S., et al., "Development of an optimized expression system for the screening of antibody libraries displayed on the <i>Escherichia coli</i> surface," Protein Eng. 12:613-621, Oxford University Press (1999)
	AT	15	Dealwis, C., et al., "Crystal structure of chemically synthesized [N33A] stromal cell-derived factor 1 $\alpha$ , a potent ligand for the HIV-1 "fusin" coreceptor," Proc. Natl. Acad. Sci. USA 95:6941-6946, National Academy Science (June 2001)

EXAMINER

DATE CONSIDERED

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	16	Dodson, K.W., et al., "Outer-membrane PapC molecular usher discriminately recognizes periplasmic chaperone-pilus subunit complexes," <i>Proc. Natl. Acad. Sci. USA</i> 90:3670-3674, National Academy Press (1993)
	AS	16	Dudler, J., et al., "Effect of interleukin 17 on proteoglycan degradation in murine knee joints," <i>Ann. Rheum. Dis.</i> 59:529-532, Bmj Publishing Group (July 2000)
	AT	16	Eckhardt, S.G., et al., "Hepatitis B Virus Core Antigen Has Two Nuclear Localization Sequences in the Arginine-Rich Carboxyl Terminus," <i>J. Virol.</i> 65:575-582, American Society for Microbiology (1991)

EXAMINER

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	AR	17	Eisenmesser, E.Z., et al., "Expression, Purification, Refolding, and Characterization of Recombinant Human Interleukin-13: Utilization of Intracellular Processing," <i>Protein Expr. Purif.</i> 20:186-195, Academic Press (November 2000)
	AS	17	Eisenmesser, E.Z., et al., "Solution Structure of Interleukin-13 and Insights into Receptor Engagement," <i>J. Mol. Biol.</i> 310:231-241, Academic Press (June 2001)
	AT	17	Eisenstein, B.I., "Phase Variation of Type 1 Fimbriae in <i>Escherichia coli</i> Is Under Transcriptional Control," <i>Science</i> 214:337-339, American Association for the Advancement of Science (1981)

EXAMINER

DATE CONSIDERED

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>18</u>	Elisseeva, E.L., et al., "NMR Studies of Active N-terminal Peptides of Stromal Cell-derived Factor-1," <i>J. Biol. Chem.</i> 275:26799-26805, The American Society for Biochemistry and Molecular Biology, Inc. (September 2000)
	AS	<u>18</u>	Eshdat, Y., et al., "Dissociation and Reassembly of <i>Escherichia coli</i> Type 1 Pili," <i>J. Bacteriol.</i> 148:308-314, American Society for Microbiology (1981)
	AT	<u>18</u>	Ettinger, R., et al., "A Critical Role for Lymphotoxin- $\beta$ Receptor in the Development of Diabetes in Nonobese Diabetic Mice," <i>J. Exp. Med.</i> 193:1333-1339, The Rockefeller University Press (June 2001)

EXAMINER

DATE CONSIDERED

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>19</u>	Fehr, T., et al., "Role of Repetitive Antigen Patterns for Induction of Antibodies Against Antibodies," <i>J Exp. Med.</i> 185:1785-1792, The Rockefeller University Press (1997)
	AS	<u>19</u>	Folkman, J., and Klagsbrun, M., "Angiogenic Factors," <i>Science</i> 235:442-447, American Association for the Advancement of Science (1987)
	AT	<u>19</u>	Folkman, J., "Angiogenesis in cancer, vascular, rheumatoid and other disease," <i>Nat. Med.</i> 1:27-31, Nature Publishing Company (1995)

EXAMINER

DATE CONSIDERED

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>20</u>	Forssmann, U., et al., "Eotaxin-2, a Novel CC Chemokine that Is Selective for the Chemokine Receptor CCR3, and Acts Like Eotaxin on Human Eosinophil and Basophil Leukocytes," <i>J. Exp. Med.</i> 185:2171-2176, The Rockefeller University Press (1997)
	AS	<u>20</u>	Fossiez, F., et al., "T Cell Interleukin-17 Induces Stromal Cells to Produce Proinflammatory and Hematopoietic Cytokines," <i>J. Exp. Med.</i> 183:2593-2603, The Rockefeller University Press (1996)
	AT	<u>20</u>	Fossiez F., et al., "Interleukin-17," <i>Intern. Rev. Immunol.</i> 16:541-551, Harwood Academic Publishers (1998)

EXAMINER

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	AP						Yes No

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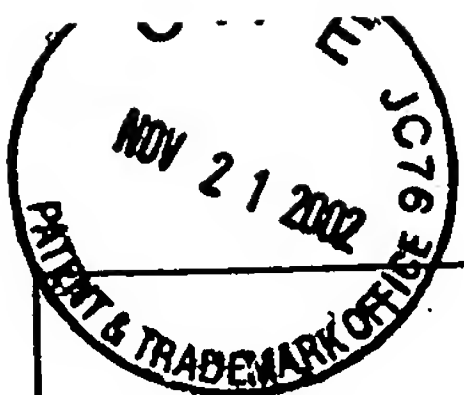
	AR	21	Fujiwara, K., et al., "Novel preparation method of immunogen for hydrophobic hapten, enzyme immunoassay for daunomycin and adriamycin," <i>J. Immunol. Methods</i> 45:195-203, Elsevier/North-Holland Biomedical Press (1981)
	AS	21	Gally, D.L., et al., "Environmental Regulation of the <i>fim</i> Switch Controlling Type 1 Fimbrial Phase Variation in <i>Escherichia coli</i> K-12: Effects of Temperature and Media," <i>J. Bacteriol.</i> 175:6186-6193, American Society for Microbiology (1993)
	AT	21	Gally, D. L., et al., "Interaction of FimB and FimE with the <i>fim</i> switch that controls the phase variation of type 1 fimbriate in <i>Escherichia coli</i> K-12," <i>Mol. Microbiol.</i> 21:725-738, Blackwell Science, Ltd. (1996)

EXAMINER

DATE CONSIDERED

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	22	Gherardi, E. et al., "A single-step procedure for cloning and selection of antibody-secreting hybridomas," <i>J. Immunol. Methods</i> 126: 61-68, Elsevier (1990)
	AS	22	Golmohammadi, R., et al., "The crystal structure of bacteriophage Q $\beta$ at 3.5Å resolution," <i>Structure</i> 4:543-554, Current Biology, Ltd. (1996)
	AT	22	Gunn, M.D., et al., "A B-cell-homing chemokine made in lymphoid follicles activates Burkitt's lymphoma receptor-1," <i>Nature</i> 391:799-803, Nature Publishing Group (1998)

EXAMINER

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	AN						Yes No
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	23	Hanes, J., et al., "Picomolar affinity antibodies from a fully synthetic naive library selected and evolved by ribosome display," Nat. Biotechnol. 18:1287-1292, Nature Publishing Company (December 2000)
	AS	23	Hanson, M.S., et al., "Purification of the <i>Escherichia coli</i> Type 1 Pilin and Minor Pilus Proteins and Partial Characterization of the Adhesin Protein," J. Bacteriol. 170:3350-3358, American Society for Microbiology (1988)
	AT	23	Hanson, M.S., and Brinton, Jr., C.C., "Identification and characterization of <i>E. coli</i> type-1 pilus tip adhesion protein," Nature 332:265-268, Nature Publishing Group (1988)

EXAMINER

DATE CONSIDERED

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## U.S. PATENT DOCUMENTS

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	24	Harrison, J.L., et al., "Screening of Phage Antibody Libraries," <i>Methods Enzymol.</i> 267:83-109, Macmillan Publishers, Ltd. (1996)
AS	24	Haslam, D.B., et al., "The amino-terminal domain of the P-pilus adhesin determines receptor specificity," <i>Mol. Microbiol.</i> 14:399-409, Blackwell Scientific Publications (1994)
AT	24	Hedrick, J.A., and Zlotnik, A., "Identification and Characterization of a Novel $\beta$ Chemokine Containing Six Conserved Cysteines," <i>J. Immunol.</i> 159: 1589-1593, The American Association of Immunologists (1997)

EXAMINER

DATE CONSIDERED

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	25	Heveker, N., et al., Dissociation of the signalling and antiviral properties of SDF-1-derived small peptides," Curr. Biol. 8:369-376, Current Biology, Ltd. (1998)
	AS	25	Hirel, P.-H., et al., "Extent of N-terminal methionine excision from <i>Escherichia coli</i> proteins is governed by the side-chain length of the penultimate amino acid," Proc. Natl. Acad. Sci. USA 86:8247-8251, National Academy Press (1989)
	AT	25	Holmes, W.D., et al., "Solution Studies of Recombinant Human Stromal-Cell-Derived Factor-1," Prot. Expr. Purif. 21:367-377, Academic Press (April 2001)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.





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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>26</u>	Holmgren, A., et al., "Conserved immunoglobulin-like features in a family of periplasmic pilus chaperones in bacteria," <i>EMBO J.</i> 11:1617-1622, Oxford University Press (1992)
	AS	<u>26</u>	Holmgren, A., and Brändén, C.-I., "Crystal structure of chaperone protein PapD reveals an immunoglobulin fold," <i>Nature</i> 342:248-251, Nature Publishing Group (1989)
	AT	<u>26</u>	Hultgren, S.J., et al., "The PapG adhesin of uropathogenic <i>Escherichia coli</i> contains separate regions for receptor binding and for the incorporation into the pilus," <i>Proc. Nat. Acad. Sci. USA</i> 86:4357-4361, National Academy Press (1989)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	27	Hultgren, S.J., et al., "PapD and superfamily of periplasmic immunoglobulin-like pilus chaperones," Adv. Prot. Chem. 44:99-123, Academic Press, Inc. (1993)
	AS	27	Hultgren, S.J., et al., "Pilus and Nonpilus Bacterial Adhesins: Assembly and Function in Cell Recognition," Cell 73:887-901, Cell Press (1993)
	AT	27	Hultgren, S.J., et al., "Bacterial Adhesins and Their Assembly," in <i>Escherichia coli and Salmonella</i> , Neidhardt, F.C., et al., eds., ASM Press, Washington, D.C. pp. 2730-2756 (1996)

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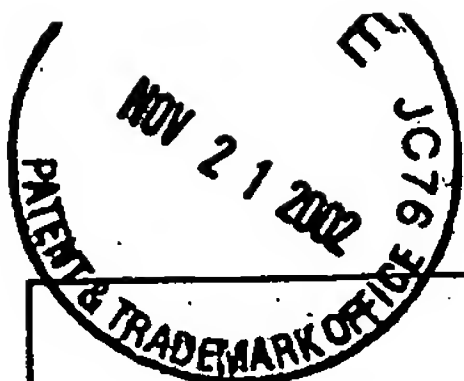
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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	28	Humbles, A.A., et al., "Kinetics of Eotaxin Generation and Its Relationship to Eosinophil Accumulation in Allergic Airways Disease: Analysis in a Guinea Pig Model In Vivo," J. Exp. Med. 186:601-612, The Rockefeller University Press (1997)
	AS	28	Hung, D.L., et al., "Molecular basis of two subfamilies of immunoglobulin-like chaperones," EMBO J. 15:3792-3805, Oxford University Press (1996)
	AT	28	Hung, D.L. and Hultgren, S.J., "Pilus Biogenesis via the Chaperone/Usher Pathway: An Integration of Structure and Function," J. Struct. Biol. 124:201-220, Academic Press (1998)

EXAMINER

DATE CONSIDERED

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	29	Ikedo, T., et al., "Determination of Three Isoforms of the Receptor Activator of Nuclear Factor- $\kappa$ B Ligand and Their Differential Expression in Bone and Thymus," <i>Endocrinology</i> 142:1419-1426, The Endocrine Society (April 2001)
	AS	29	Ingley E., et al., "Production and purification of recombinant human interleukin-5 from yeast and baculovirus expression systems," <i>Eur. J. Biochem.</i> 196:623-629, Blackwell Science, Ltd. (1991)
	AT	29	Jacob-Dubuisson, F., et al., "PapD chaperone function in pilus biogenesis depends on oxidant and chaperone-like activities of DsbA," <i>Proc. Natl. Acad. Sci. USA</i> 91:11552-11556, National Academy Press (1994)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	30	Jacob-Dubuisson, F., et al., "Initiation of assembly and association of the structural elements of a bacterial pilus depend on two specialized tip proteins," EMBO J. 12:837-847, Oxford University Press (1993)
	AS	30	Jacob-Dubuisson, F., et al., "Chaperone-assisted Self-assembly of Pili Independent of Cellular Energy," J. Biol. Chem. 269:12447-12455, The American Society for Biochemistry and Molecular Biology, Inc. (1994)
	AT	30	Jiang, X., et al., "Norwalk Virus Genome Cloning and Characterization," Science 250:1580-1583, American Association for the Advancement of Science (1990)

EXAMINER

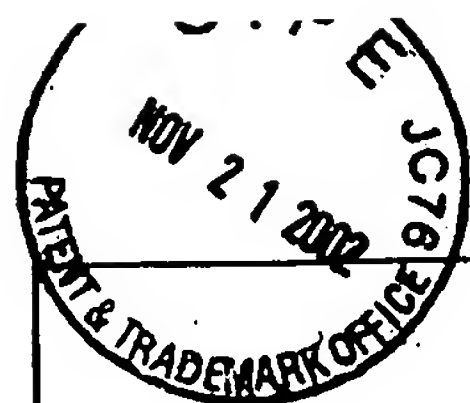
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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>31</u>	Jones, C.H., et al., "FimC is a periplasmic PapD-like chaperone that directs assembly of type 1 pili in bacteria," <i>Proc. Natl. Acad. Sci. USA</i> 90:8397-8401, National Academy Press (1993)
AS	<u>31</u>	Jones, C.H., et al., "FimH adhesin of type 1 pili is assembled into a fibrillar tip structure in the Enterobacteriaceae," <i>Proc. Natl. Acad. Sci. USA</i> 92:2081-2085, National Academy Press (1995)
AT	<u>31</u>	Josien, R., et al., "TRANCE, a Tumor Necrosis Factor Family Member, Enhances the Longevity and Adjuvant Properties of Dendritic Cells In Vivo," <i>J. Exp. Med.</i> 191: 495-501, The Rockefeller University Press (February 2000)

EXAMINER

DATE CONSIDERED

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	AN						Yes No
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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	32	Jovanovic, D.V., et al., "IL-17 Stimulates the Production and Expression of Proinflammatory Cytokines, IL- $\beta$ and TNF- $\alpha$ , by Human Macrophages," <i>J. Immunol.</i> 160:3513-3521, The American Association of Immunologists (1998)
	AS	32	Kapp, U., et al., "Interleukin 13 Is Secreted by and Stimulates the Growth of Hodgkin and Reed-Sternberg Cells," <i>J. Exp. Med.</i> 189:1939-1945, The Rockefeller University Press (1999)
	AT	32	Kastelein, R.A. et al., "Effect of the sequence upstream from the ribosome-binding site on the yield of protein from the cloned gene for phage MS2 coat protein," <i>Gene</i> 23:245-254, Elsevier (1983)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.





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	AN						Yes No
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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	33	Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993)
	AS	33	Kim, K.-H., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The American Society for Biochemistry and Molecular Biology, Inc. (April 2001)
	AT	33	Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.





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	AN						Yes No
	AO						Yes No
	AP						Yes No

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	AR	34	Klemm, P., and Christiansen, G., "Three <i>fim</i> genes required for the regulation of length and mediation of adhesion of <i>Escherichia coli</i> type 1 fimbriae," Mol. Gen. Genet. 208:439-445, Springer-Verlag (1987)
	AS	34	Klemm, P., et al., "The major subunit of <i>Escherichia coli</i> type 1 fimbriae is not required for D-mannose-specific adhesion," Mol. Microbiol. 4:553-559, Blackwell Scientific Publications (1990)
	AT	34	Klemm, P., and Christiansen, G., "The <i>fimD</i> gene required for cell surface localization of <i>Escherichia coli</i> type 1 fimbriae," Mol. Gen. Genet. 220:334-338, Springer-Verlag (1990)

EXAMINER

DATE CONSIDERED

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	AR	35	Klemm, P., "FimC, a chaperone-like periplasmic protein of <i>Escherichia coli</i> involved in biogenesis of type 1 fimbriae," <i>Res. Microbiol.</i> 143:831-838, Institut Pasteur/Elsevier (1992)
	AS	35	Klemm, P., and Krogfelt, K.A., "Type 1 Fimbriae of <i>Escherichia coli</i> ," in <i>Fimbriae</i> , Klemm, P., ed., CRC Press, Inc., Boca Raton, FL., pp.9-26 (1994)
	AT	35	Kodama, S., et al., "Characterization of recombinant murine interleukin 5 expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 2:419-427, Oxford University Press (1992)

EXAMINER

DATE CONSIDERED

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	36	Kodama, S., et al., "Carbohydrate Structures of Human Interleukin 5 Expressed in Chinese Hamster Ovary Cells," J. Biochem. (Tokyo) 110:693-701, Japanese Biochemical Society (1991)
	AS	36	Kopf, M., et al., "IL-5-Deficient Mice Have a Developmental Defect in CD5 <sup>+</sup> B-1 Cells and Lack Eosinophilia but have Normal Antibody and Cytotoxic T Cell Responses," Immunity 4:15-24, Cell Press (1996)
	AT	36	Koschel, M., et al., "Extensive Mutagenesis of the Hepatitis B Virus Core Gene and Mapping of Mutations That Allow Capsid Formation," J. Virol 73:2153-2160, American Society for Microbiology (1999)

EXAMINER

DATE CONSIDERED

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## FOREIGN PATENT DOCUMENTS

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	AL						Yes No
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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>37</u>	Koths, K., et al., "Structure-Function Studies on Human Macrophage Colony-Stimulating Factor (M-CSF)," Mol. Reprod. Dev. 46:31-38, Wiley-Liss, Inc. (1997)
	AS	<u>37</u>	Kozlovska, T.M., et al., "Recombinant RNA phage Q $\beta$ capsid particles synthesized and self-assembled in <i>Escherichia coli</i> ," Gene 137:133-137, Elsevier Science Publishers B.V. (1993)
	AT	<u>37</u>	Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," Dokl. Akad. Nauk. SSSR 287: 452-455, Erivan Akademiia Nauk Armianskoi Ssr (1986)
EXAMINER			DATE CONSIDERED

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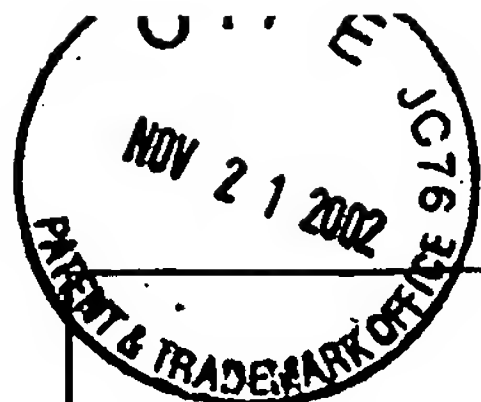
AR	38	Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," STNEasy, Accession No. 1986:219892, Cplus English abstract (1986) (Document AT37)
AS	38	Krogfelt, K.A., et al., "Direct Evidence that the FimH Protein Is the Mannose-Specific Adhesin of <i>Escherichia coli</i> Type 1 Fimbriae," <i>Infect. Immun.</i> 58:1995-1998, American Society for Microbiology (1990).
AT	38	Kuehn, M.J., et al., "Structural Basis of Pilus Subunit Recognition by the PapD Chaperone," <i>Science</i> 262:1234-1241, American Association for the Advancement of Science (1993)

EXAMINER

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	39	Kunimoto, D.Y, et al., "High-level production of murine interleukin-5 (IL-5) utilizing recombinant baculovirus expression. Purification of the rIL-5 and its use in assessing the biologic role of IL-5 glycosylation," Cytokine 3:224-230, W.B. Saunders Company (1991)
	AS	39	Landschulz, W.H., et al., "The Leucine Zipper: A Hypothetical Structure Common to a New Class of DNA Binding Proteins," Science 240:1759-1764, American Association for the Advancement of Science (1988)
	AT	39	Leake, C.J., et al., "Cytopathic Effect and Plaque Formation by Arboviruses in a Continuous Cell Line (XTC-2) from the Toad Xenopus laevis," J. gen. Virol. 35:335-339, Cambridge University Press (1977)

EXAMINER

DATE CONSIDERED

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	AN						Yes No
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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>40</u>	Lee, K.H., et al., "Two-Dimensional Electrophoresis of Proteins as a Tool in the Metabolic Engineering of Cell Cycle Regulation," <i>Biotech. Bioeng.</i> 50:336-340, John Wiley & Sons, Inc. (1996)
AS	<u>40</u>	Leech, M., et al., "Involvement of macrophage migration inhibitory factor in the evolution of rat adjuvant arthritis," <i>Arthritis Rheum.</i> 41:910-917, Arthritis Foundation (1998)
AT	<u>40</u>	Leech, M., et al. "Regulation of macrophage migration inhibitory factor by endogenous glucocorticoid in rat adjuvant-induced arthritis," <i>Arthritis Rheum.</i> 43:827-833, Arthritis Foundation (April 2000)

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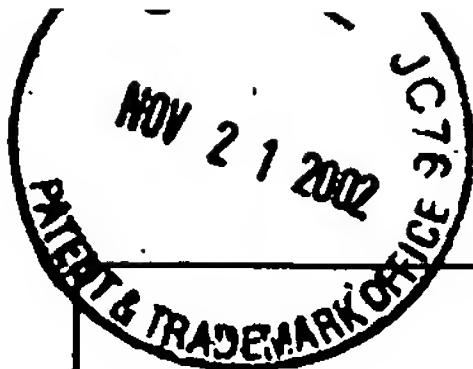
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	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>41</u>	Liljeström, P., and Garoff, H., "A new generation of animal cell expression vectors based on the semliki forest virus replicon," <i>Bio/technology</i> 9:1356-1361, Nature Publishing Company (1991)
	AS	<u>41</u>	Liljeström, P., "Alphavirus expression systems," <i>Curr. Opin. Biotechnol.</i> 5:495-500, Current Biology, Ltd. (1994)
	AT	<u>41</u>	Lim, F., et al., "The RNA-binding Site of Bacteriophage Q $\beta$ Coat Protein," <i>J. Biol. Chem.</i> 271:31839-31845, The American Society for Biochemistry and Molecular Biology, Inc. (1996)

EXAMINER

DATE CONSIDERED

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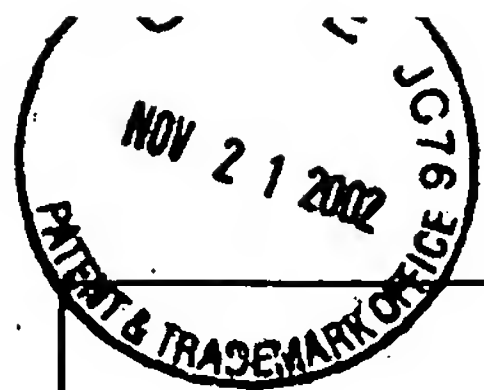
	AR	<u>42</u>	Lin, E.Y., et al., "Colony-stimulating Factor 1 Promotes Progression of Mammary Tumors to Malignancy," <i>J. Exp. Med.</i> 193:727-739, The Rockefeller University Press (March 2001)
	AS	<u>42</u>	Lindberg, F., et al., "PapD, a Periplasmic Transport Protein in P-Pilus Biogenesis," <i>J. Bacteriol.</i> 171:6052-6058, American Society for Microbiology (1989)
	AT	<u>42</u>	Lo-Man, R., et al., "A recombinant virus-like particle system derived from parvovirus as an efficient antigen carrier to elicit a polarized Th1 immune response without adjuvant," <i>Eur. J. Immunol.</i> 28:1401-1407, Wiley-VCH Verlag GmbH (1998)

EXAMINER

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	43	López, O., et al., "Direct formation of mixed micelles in the solubilization of phospholipid liposomes by Triton X-100," <i>FEBS Lett.</i> 426:314-318, Elsevier (1998)
	AS	43	Lowe, M.A., et al., "Immunoelectron Microscopic Analysis of Elongation of Type 1 Fimbriae in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 169:157-163, American Society for Microbiology (1987)
	AT	43	Lu, D., et al., "Identification of the Residues in the Extracellular Region of KDR Important for Interaction with Vascular Endothelial Growth Factor and Neutralizing Anti-KDR Antibodies," <i>J. Biol. Chem.</i> 275:14321-14330, The American Society for Biochemistry and Molecular Biology, Inc. (May 2000)

EXAMINER

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>44</u>	Lum, L., et al., "Evidence for a Role of a Tumor Necrosis Factor- $\alpha$ (TNF- $\alpha$ )-converting Enzyme-like Protease in Shedding of TRANCE, a TNF Family Member Involved in Osteoclastogenesis and Dendritic Cell Survival," J. Biol. Chem. 274:13613-13618, The American Society for Biochemistry and Molecular Biology, Inc. (1999)
	AS	<u>44</u>	Lundstrom, K., "Alphaviruses as expression vectors," Curr. Opin. Biotechnol. 8:578-582, Current Biology, Ltd. (1997)
	AT	<u>44</u>	Luther, S.A., et al., "BLC Expression in Pancreatic Islets Causes B Cell Recruitment and Lymphotoxin-Dependent Lymphoid Neogenesis," Immunity 12:471-481, Cell Press (May 2000)

EXAMINER

DATE CONSIDERED

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>45</u>	Mackay, J.L., and Browning, J.L., "Turning off follicular dendritic cells," <i>Nature</i> 395:26-27, Macmillan Magazines, Ltd. (1998)
	AS	<u>45</u>	Martiny-Baron, G., and Marmé, D., "VEGF-mediated tumour angiogenesis: a new target for cancer therapy," <i>Curr. Opin. Biotechnol.</i> 6:675-680, Current Biology, Ltd. (1995)
	AT	<u>45</u>	Matsui, S.M., et al., "The Isolation and Characterization of a Norwalk Virus-Specific cDNA," <i>J. Clin. Invest.</i> 87:1456-1461, The American Society for Clinical Investigation, Inc. (1991)

EXAMINER

DATE CONSIDERED

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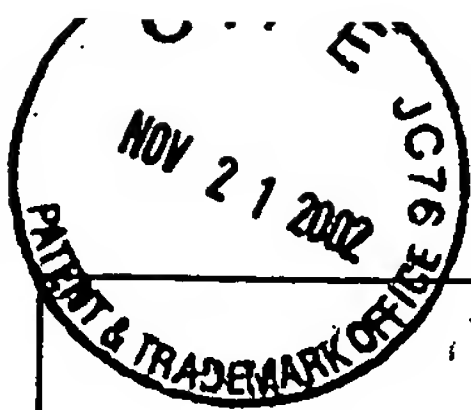
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>46</u>	Matsumoto, M., et al., "Role of Lymphotoxin and the Type 1 TNF Receptor in the Formation of Germinal Centers," <i>Science</i> 271:1289-1291, American Association for the Advancement of Science (1996)
	AS	<u>46</u>	Matthews, W., et al., "A receptor tyrosine kinase cDNA isolated from a population of enriched primitive hematopoietic cells and exhibiting close genetic linkage to c-kit," <i>Proc. Natl. Acad. Sci. USA</i> 88:9026-9030, National Academy Press (1991)
	AT	<u>46</u>	Matusevicius, D., et al., "Interleukin-17 mRNA expression in blood and CSF mononuclear cells is augmented in multiple sclerosis," <i>Mult. Scler.</i> 5:101-104, Stockton Press (1999)

EXAMINER

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	AR	47	Mayer, K.L., and Stone, M.J., "NMR Solution Structure and Receptor Peptide Binding of the CC Chemokine Eotaxin-2," <i>Biochemistry</i> 39:8382-8395, American Chemical Society (July 2000)
	AS	47	McClain, M.S., et al., "Roles of <i>fimB</i> and <i>fimE</i> in Site-Specific DNA Inversion Associated with Phase Variation of Type 1 Fimbriae in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 173:5308-5314, American Society for Microbiology (1991)
	AT	47	McPherson, P.S., "Regulatory Role of SH3 Domain-mediated Protein-Protein Interactions in Synaptic Vesicle Endocytosis," <i>Cell Signal</i> 11:229-238, Elsevier Science, Inc. (1999)

EXAMINER

DATE CONSIDERED

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	AR	<u>48</u>	Mikulowska, A., et al., "Macrophage Migration Inhibitory Factor Is Involved in the Pathogenesis of Collagen Type II-Induced Arthritis in Mice," <i>J. Immunol.</i> 158:5514-5517, The American Association of Immunologists (1997)
	AS	<u>48</u>	Millauer, B., et al., "Glioblastoma growth inhibited in vivo by a dominant-negative Flk-1 mutant," <i>Nature</i> 367:576-579, Nature Publishing Group (1994)
	AT	<u>48</u>	Min, H., et al., "Osteoprotegerin Reverses Osteoporosis by Inhibiting Endosteal Osteoclasts and Prevents Vascular Calcification by Blocking a Process Resembling Osteoclastogenesis," <i>J. Exp. Med.</i> 192:463-474, The Rockefeller University Press (August 2000)

EXAMINER

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	49	Mitchell, D.L., et al., "Purification and characterization of recombinant murine interleukin-5 glycoprotein, from a Baculovirus expression system," <i>Biochem. Soc. Trans.</i> 21:332S, Portland Press (1993)
	AS	49	Montrasio, F. et al., "Impaired Prion Replication in Spleens of Mice Lacking Functional Follicular Dendritic Cells," <i>Science</i> 288:1257-1259, American Association for the Advancement of Science (May 2000)
	AT	49	Morein, B., et al., "Iscom, a novel structure for antigenic presentation of membrane proteins from enveloped viruses," <i>Nature</i> 308:457-460, Nature Publishing Group (1984)

EXAMINER

DATE CONSIDERED

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	AR	<u>50</u>	Moriya, C., et al., "Large quantity production with extreme convenience of human SDF-1 $\alpha$ and SDF-1 $\beta$ by a Sendai virus vector," <i>FEBS Lett.</i> 425:105-111, Amsterdam Elsevier Science B.V. (1998)
	AS	<u>50</u>	Müller, A., et al., "Involvement of chemokine receptors in breast cancer metastasis," <i>Nature</i> 410:50-56, Nature Publishing Group (March 2001)
	AT	<u>50</u>	Murphy, Jr., K.P., et al., "Expression of Human Interleukin-17 in <i>Pichia pastoris</i> : Purification and Characterization," <i>Protein Expr. Purif.</i> 12:208-214, Academic Press (1998)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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## U.S. PATENT DOCUMENTS

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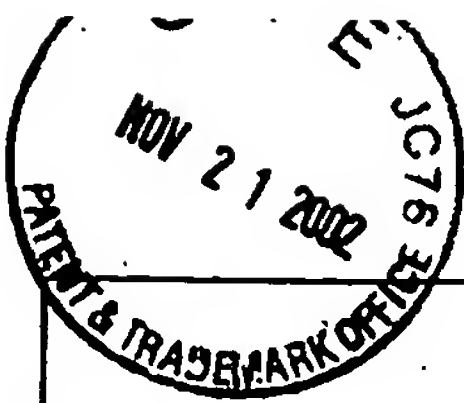
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	51	Nagira, M., et al., "Molecular Cloning of a Novel Human CC Chemokine Secondary Lymphoid-Tissue Chemokine That Is a Potent Chemoattractant for Lymphocytes and Mapped to Chromosome 9p13," <i>J. Biol. Chem.</i> 272:19518-19524, The American Society for Biochemistry and Molecular Biology, Inc. (1997)
AS	51	Nanki, T., et al., "Stromal Cell-Derived Factor-1-CXC Chemokine Receptor 4 Interactions Play a Central Role in CD4 <sup>+</sup> T Cell Accumulation in Rheumatoid Arthritis Synovium," <i>J. Immunol.</i> 165:6590-6598, The American Association of Immunologists (December 2000)
AT	51	Naureckiene, S., and Uhlin., B.E., "In vitro analysis of mRNA processing by Rnase E in the pap operon of <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 21:55-68, Blackwell Science, Ltd. (1996)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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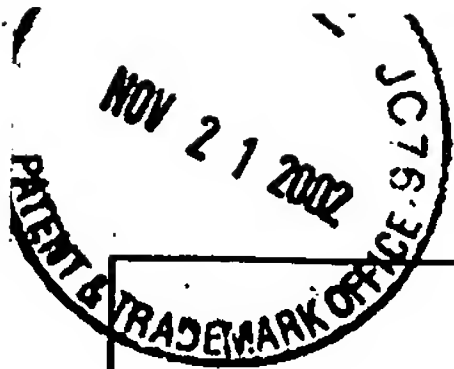
	AR	52	Neiryneck, S., et al., "A universal influenza A vaccine based on the extracellular domain of the M2 protein," Nat. Med. 5:1157-1163, Nature Publishing Company (1999)
	AS	52	Newman, J.V., et al., "Stimulation of <i>Escherichia coli</i> F-18Col Type-1 fimbriae synthesis by <i>leuX</i> ," FEMS Microbiol. Lett. 122:281-287, Elsevier (1994)
	AT	52	Ni, C.-Z., et al., "Crystal structure of the coat protein from the GA bacteriophage: Model of the unassembled dimer," Protein Sci. 5:2485-2493, Cambridge University Press (1996)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.





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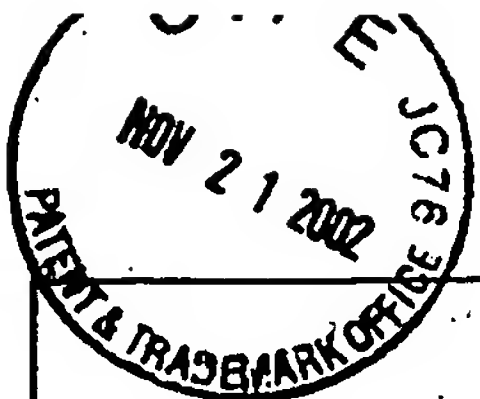
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	53	Nilsson, P., et al., "Mutations Affecting mRNA Processing and Fimbrial Biogenesis in the <i>Escherichia coli</i> pap Operon," <i>J. Bacteriol.</i> 178:683-690, American Society for Microbiology (1996)
	AS	53	Oberlin, E., et al., "The CXC chemokine SDF-1 is the ligand for LESTR/fusin and prevents infection by T-cell-line-adapted HIV-1," <i>Nature</i> 382:833-835, Nature Publishing Group (1996)
	AT	53	Ohnishi, Y., et al., "Crystal Structure of Recombinant Native SDF-1 $\alpha$ with Additional Mutagenesis Studies: An Attempt at a More Comprehensive Interpretation of Accumulated Structure-Activity Relationship Data," <i>J. Interferon Cytokine Res.</i> 20:691-700, Mary Ann Liebert, Inc. (August 2000)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>54</u>	Olszewska, W., et al., "Protection against Measles Virus-Induced Encephalitis by Anti-mimotope Antibodies: The Role of Antibody Affinity," <i>Virology</i> 272:98-105, Academic Press (June 2000)
	AS	<u>54</u>	Orndorff, P.E., and Falkow, S., "Identification and Characterization of a Gene Product That Regulates Type 1 Piliation in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 160:61-66, American Society for Microbiology (1984)
	AT	<u>54</u>	Orndorff, P.E., and Falkow, S., "Nucleotide Sequence of <i>pilA</i> , the Gene Encoding the Structural Component of Type 1 Pili in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 162:454-457, American Society for Microbiology (1985)

EXAMINER

DATE CONSIDERED

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	55	O'Shea, E.K., et al., "Evidence That the Leucine Zipper Is a Coiled Coil," Science 243:538-542, American Association for the Advancement of Science (1989)
	AS	55	O'Shea, E.K., et al., "Mechanism of Specificity in the Fos-Jun Oncoprotein Heterodimer," Cell 68:699-708, Cell Press (1992)
	AT	55	Pandit, J., et al., "Three-dimensional Structure of Dimeric Human Recombinant Macrophage Colony-Stimulating Factor," Science 258:1358-1362, American Association for the Advancement of Science (1992)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	56	Pierrot, C., et al., "Expression of Rat Interleukin-5 and Generation of Neutralizing Antiserum: a Comparative Study of Rat IL-5 Produced in <i>Escherichia coli</i> and Insect Cells," <i>Biochem. Biophys. Res. Commun.</i> 253:756-760, Academic Press (1998)
	AS	56	Pierson-Mullany, L.K., et al. "Characterization of polyclonal allergen-specific IgE responses by affinity distributions," <i>Mol. Immunol.</i> 37:613-620, Elsevier Science, Ltd. (August 2000)
	AT	56	Piossek, C., et al., "Vascular Endothelial Growth Factor (VEGF) Receptor II-derived Peptides Inhibit VEGF," <i>J. Biol. Chem.</i> 274:5612-5619, The American Society for Biochemistry and Molecular Biology, Inc. (1999)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.





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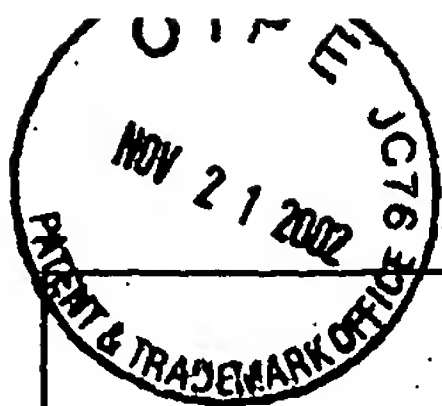
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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	AR	<u>57</u>	Presta, L.G., et al., "Humanization of an Anti-Vascular Endothelial Growth Factor Monoclonal Antibody for the Therapy of Solid Tumors and Other Disorders," <i>Cancer Res.</i> 57:4593-4599, The American Association for Cancer Research (1997)
	AS	<u>57</u>	Priano, C., et al., "A Complete Plasmid-based Complementaion System for RNA Coliphage Q $\beta$ : Three Proteins of Bacteriophages Q $\beta$ (Group III) and SP (Group IV) can be Interchanged," <i>J. Mol. Biol.</i> 249:283-297, Academic Press, Ltd. (1995)
	AT	<u>57</u>	Proudfoot, A.E.I., et al., "Preparation and characterization of human interleukin-5 expressed in recombinant <i>Escherichia coli</i> ," <i>Biochem. J.</i> 270:357-361, Portland Press, Ltd. (1990)
EXAMINER			DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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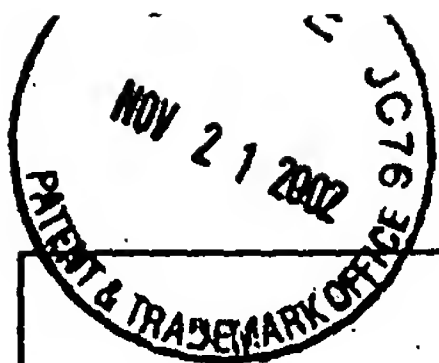
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>58</u>	Renner, W.A., et al., "Recombinant Cyclin E Expression Activates Proliferation and Obviates Surface Attachment of Chinese Hamster Ovary (CHO) Cells in Protein-Free Medium," <i>Biotech. Bioeng.</i> 47:476-482, John Wiley & Sons, Inc. (1995)
	AS	<u>58</u>	Risau, W., "Mechanisms of angiogenesis," <i>Nature</i> 386:671-674, Nature Publishing Group (1997)
	AT	<u>58</u>	Ritter, A., et al., "The Pai-associated leuX specific tRNA <sup>Leu</sup> affects type 1 fimbriation in pathogenic <i>Escherichia coli</i> by control of FimB recombinase expression," <i>Mol. Microbiol.</i> 25:871-882, Blackwell Science, Ltd. (1997)

EXAMINER

DATE CONSIDERED

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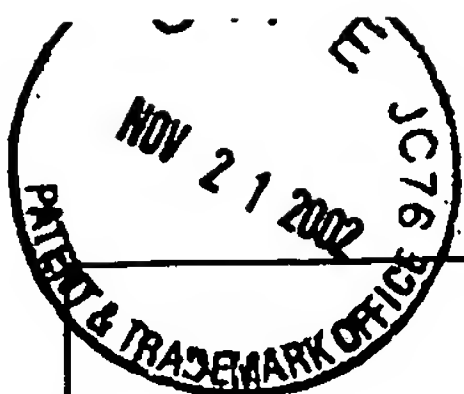
	AR	59	Roesch, P.L., and Blomfield, I.C., "Leucine alters the interaction of the leucine-responsive regulatory protein (Lrp) with the fim switch to stimulate site-specific recombination in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 27:751-761, Blackwell Science, Ltd. (1998)
	AS	59	Roher, A.E., et al., "Isolation and Chemical Characterization of Alzheimer's Disease Paired Helical Filament Cytoskeletons: Differentiation from Amyloid Plaque Core Protein," <i>J. Cell Biol.</i> 107:2703-2716, The Rockefeller University Press (1988)
	AT	59	Roher, A.E., et al., "Morphological and Biochemical Analyses of Amyloid Plaque Core Proteins Purified from Alzheimer Disease Brain Tissue," <i>J. Neurochem.</i> 61: 1916-1926, Raven Press, Ltd. (1993)

EXAMINER

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>60</u>	Romagnani, S., "The Th1/Th2 paradigm," <i>Immunol. Today</i> 18:263-266, Elsevier Science, Ltd. (1997)
	AS	<u>60</u>	Rothenberg, M.E., et al., "Targeted Disruption of the Chemokine Eotaxin Partially Reduces Antigen-induced Tissue Eosinophilia," <i>J. Exp. Med.</i> 185:785-790, The Rockefeller University Press (1997)
	AT	<u>60</u>	Rusconi, S., et al., "In vitro inhibition of HIV-1 by Met-SDF-1 $\beta$ alone or in combination with antiretroviral drugs," <i>Antivir. Ther.</i> 5:199-204, International Medical Press (September 2000)

EXAMINER

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	61	Russell, P.W., and Orndorff, P.E., "Lesions in Two <i>Escherichia coli</i> Type 1 Pilus Genes Alter Pilus Number and Length without Affecting Receptor Binding," <i>J. Bacteriol.</i> 174:5923-5935, American Society for Microbiology (1992)
	AS	61	Santos, L., et al., "Role of macrophage migration inhibitory factor (MIF) in murine antigen-induced arthritis: interaction with glucocorticoids," <i>Clin. Exp. Immunol.</i> 123:309-314, Blackwell Science (February 2001)
	AT	61	Saulino, E.T., et al., "Ramifications of kinetic partitioning on usher-mediated pilus biogenesis," <i>EMBO J.</i> 17:2177-2185, Oxford University Press (1998)

EXAMINER

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	63	Slonim, L.N., et al., "Interactive surface in the PapD chaperone cleft is conserved in pilus chaperone superfamily and essential in subunit recognition and assembly," <i>EMBO J.</i> 11:4747-4756, Oxford University Press (1992)
	AS	63	Smyth, C.J., et al., "Fimbrial adhesins: similarities and variations in structure and biogenesis," <i>FEMS Immun. Med. Microbiol.</i> 16:127-139, Elsevier (1996)
	AT	63	Soto, H., et al., "The CC chemokine 6Ckine binds the CXC chemokine receptor CXCR3," <i>Proc. Natl. Acad. Sci. USA</i> 95:8205-8210, National Academy Press (1998)

EXAMINER

DATE CONSIDERED

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>64</u>	Soto, G.E., et al., "Periplasmic chaperone recognition motif of subunits mediates quaternary interactions in the pilus," <i>EMBO J.</i> 17:6155-6167, Oxford University Press (1998)
1	AS	<u>64</u>	Soto, G.E., and Hultgren, S.J., "Bacterial Adhesins: Common Themes and Variations in Architecture and Assembly," <i>J. Bacteriol.</i> 181:1059-1071; American Society for Microbiology (1999)
1	AT	<u>64</u>	Steppan, C.M., et al., "The hormone resistin links obesity to diabetes," <i>Nature</i> 409:307-312, Nature Publishing Group (January 2001)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.





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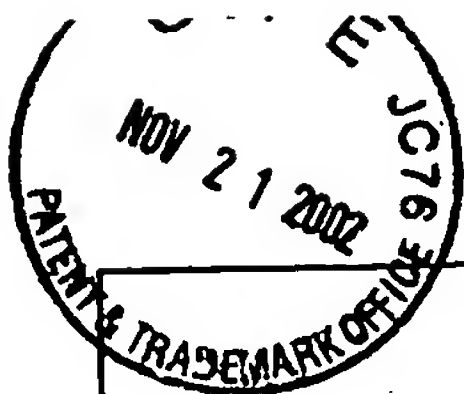
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>65</u>	Stollar, V., "Togaviruses in Cultured Arthropod Cells," in <i>The Togaviruses. Biology, Structure, Replication</i> , Schlesinger, R.W., ed., Academic Press, Inc. New York, N.Y., pp.583-621 (1980)
	AS	<u>65</u>	Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, and Evolution," <i>Microbiol. Rev.</i> 58:491-562, American Society for Microbiology (1994)
	AT	<u>65</u>	Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chaperone-Subunit Complexes in Pilus Biogenesis," <i>J. Biol. Chem.</i> 269:12233-12239, The American Society for Biochemistry and Molecular Biology, Inc. (1994)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	66	Sturchler-Pierrat, C., et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," Proc. Natl. Acad. Sci. USA 94:13287-13292, National Academy Press (1997)
	AS	66	Sun, H.-W., et al., "Crystal structure at the 2.6-Å resolution of human macrophage migration inhibitory factor," Proc. Natl. Acad. Sci. USA 93:5191-5196, National Academy Press (1996)
	AT	66	Tang, J.-L., et al., "Interleukin-17 antagonism inhibits acute but not chronic vascular rejection," Transplantation 72:348-350, Lippincott Williams & Wilkins (July 2001)

EXAMINER

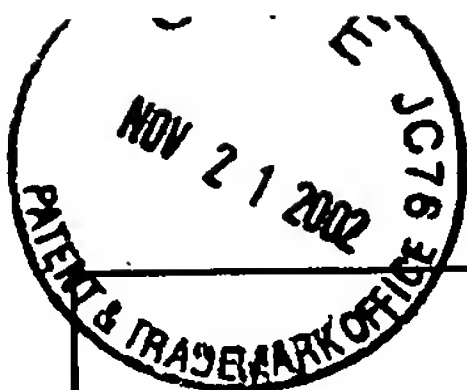
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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>67</u>	Tanimori, H., et al., "Enzyme immunoassay of neocarzinostatin using $\beta$ -galactosidase as label," <i>J. Pharm. Dyn.</i> 4:812-819, Pharmaceutical Society of Japan (1981)
	AS	<u>67</u>	Teixeira, M.M., et al., "Chemokine-induced Eosinophil Recruitment. Evidence of a Role for Endogenous Eotaxin in an In Vivo Allergy Model in Mouse Skin," <i>J. Clin. Invest.</i> 100:1657-1666, The American Society for Clinical Investigation, Inc. (1997)
	AT	<u>67</u>	Tewari, R., et al., "Neutrophil Activation by Nascent FimH Subunits of Type I Fimbriae Purified from the Periplasm of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 268:3009-3015, The American Society for Biochemistry and Molecular Biology, Inc. (1993)

EXAMINER

DATE CONSIDERED

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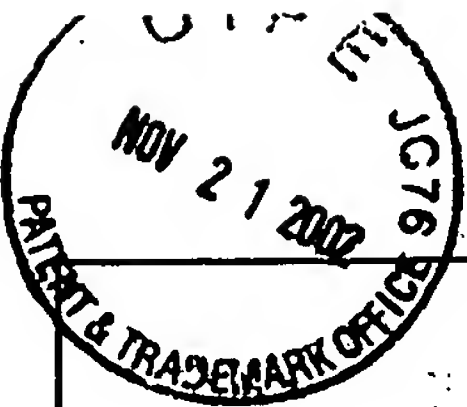
	AR	68	Teunissen, M.B.M., et al., "Interleukin-17 and Interferon- $\gamma$ Synergize in the Enhancement of Proinflammatory Cytokine Production by Human Keratinocytes," <i>J. Invest. Dermatol.</i> 111:645-649, The Society for Investigative Dermatology, Inc. (1998)
	AS	68	Thanassi, D.G., et al., "The PapC usher forms an oligomeric channel: Implications for pilus biogenesis across the outer membrane," <i>Proc. Natl. Acad. Sci. USA</i> 95:3146-3151, National Academy Press (1998)
	AT	68	De Togni, P., et al., "Abnormal Development of Peripheral Lymphoid Organs in Mice Deficient in Lymphotoxin," <i>Science</i> 264:703-707, American Association for the Advancement of Science (1994)

EXAMINER

DATE CONSIDERED

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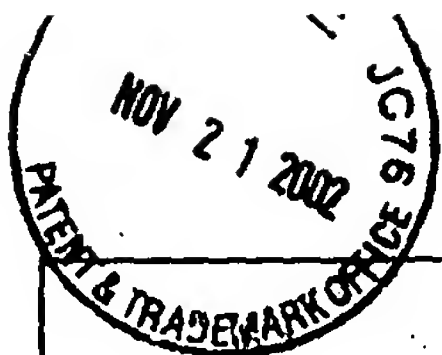
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	69	Topchieva, I., and Karezin, K., "Self-Assembled Supramolecular Micellar Structures Based on Non-ionic Surfactants and Cyclodextrins," <i>J. Colloid Interface Sci.</i> 213:29-35, Academic Press (1999)
	AS	69	Twomey, T., et al., "Structure and immunogenicity of experimental foot-and-mouth disease and poliomyelitis vaccines," <i>Vaccine</i> 13:1603-1610, Elsevier Science, Ltd. (1995)
	AT	69	Ulrich, R., et al., "Core particles of hepatitis B virus as carrier for foreign epitopes," <i>Adv. Virus Res.</i> 50:141-182, Academic Press (1998)

EXAMINER

DATE CONSIDERED

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	70	Vicari, A.P., et al., "Antitumor Effects of the Mouse Chemokine 6Ckine/SLC Through Angiostatic and Immunological Mechanisms," J. Immunol. 165:1992-2000, The American Association of Immunologists (August 2000)
	AS	70	Visintin, M. et al., "Selection of antibodies for intracellular function using a two-hybrid in vivo system," Proc. Natl. Acad. Sci. USA 96:11723-11728, National Academy Press (1999)
	AT	70	Walse, B., et al., "Transferred nuclear Overhauser effect spectroscopy study of a peptide from the PapG pilus subunit bound by the Escherichia coli PapD chaperone," FEBS Lett. 412:115-120, Elsevier Science B.V. (1997)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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	AN						Yes No
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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	71	Warnes, A., et al., "Expression of the measles virus nucleoprotein gene in <i>Escherichia coli</i> and assembly of nucleocapsid-like structures," <i>Gene</i> 160:173-178, Elsevier Science B.V. (1995)
	AS	71	Watson, E., et al., "Structure determination of the intact major sialylated oligosaccharide chains of recombinant human erythropoietin expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 4:227-237, Oxford University Press (1994)
	AT	71	Wei, Y.Q., et al., "Immunotherapy of tumors with xenogeneic endothelial cells as a vaccine," <i>Nat. Med.</i> 6:1160-1166, Nature Publishing Company (October 2000)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	72	Witherell, G.W., and Uhlenbeck, O.C., "Specific RNA Binding by Q $\beta$ Coat Protein," <i>Biochemistry</i> 28:71-76, American Chemical Society (1989)
	AS	72	Wong, C.K., et al., "Elevation of proinflammatory cytokine (IL-18, IL-17, IL-12) and Th2 cytokine (IL-4) concentrations in patients with systemic lupus erythematosus," <i>Lupus</i> 9:589-593, Macmillan Publishers Ltd. (2000)
	AT	72	Wu, Q., et al. "Reversal of Spontaneous Autoimmune Insulinitis in Nonobese Diabetic Mice by Soluble Lymphotoxin Receptor," <i>J. Exp. Med.</i> 193:1327-1332, The Rockefeller University Press (June 2001)

EXAMINER

DATE CONSIDERED

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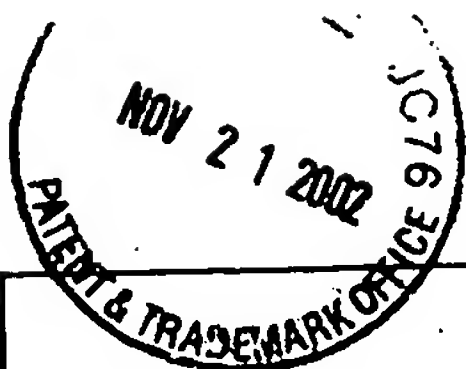
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	73	Wuttke, M., et al., "Structural Characterization of Human Recombinant and Bone-derived Bone Sialoprotein," J. Biol. Chem. 276:36839-36848, The American Society for Biochemistry and Molecular Biology, Inc. (2001)
	AS	73	Wynne, S.A., et al., "The Crystal Structure of the Human Hepatitis B Virus Capsid," Mol. Cell 3:771-780, Cell Press (1999)
	AT	73	Xiong, C., et al., "Sindbis Virus: An Efficient, Broad Host Range Vector for Gene Expression in Animal Cells," Science 243:1188-1191, American Association for the Advancement of Science (1989)

EXAMINER

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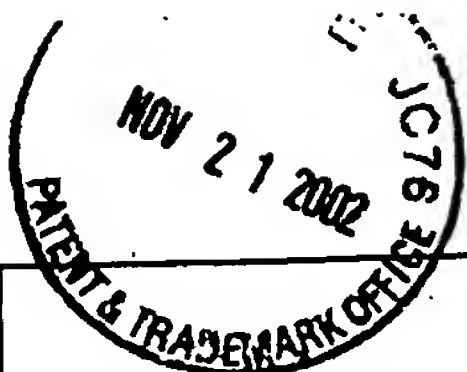
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	74	Yao, Z., et al., "Human IL-17: A Novel Cytokine Derived from T Cells," J. Immunol. 155:5483-5486, The American Association of Immunologists (1995)
	AS	74	Yao, Z., et al., "Molecular characterization of the human interleukin (IL)-17 receptor," Cytokine 9:794-800, Academic Press, Ltd. (1997)
	AT	74	Yone, K., et al., "Epitopic Regions for Antibodies against Tumor Necrosis Factor $\alpha$ ," J. Biol. Chem. 270:19509-19515, The American Society for Biochemistry and Molecular Biology, Inc. (1995)

EXAMINER

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	75	Yuan, T-T., et al., "Subtype-Independent Immature Secretion and Subtype-Dependent Replication Deficiency of a Highly Frequent, Naturally Occurring Mutation of Human Hepatitis B Virus Core Antigen," <i>J. Virol.</i> 73:10122-10128, American Society for Microbiology (1999)
	AS	75	Zang, M., et al., "Production of Recombinant Proteins in Chinese Hamster Ovary Cells Using A Protein-Free Cell Culture Medium," <i>Bio/Technology</i> 13:389-392, Nature Publishing Company (1995)
	AT	75	Zhou, S., and Standring, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," <i>J. Virol.</i> 66:5393-5398, American Society for Microbiology (1992)

EXAMINER

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	76	Zimmermann, N., et al., "Murine Eotaxin-2: A Constitutive Eosinophil Chemokine Induced by Allergen Challenge and IL-4 Overexpression," <i>J. Immunol.</i> 165:5839-5846, The American Association of Immunologists (November 2000).
	AS	76	Ziolkowska, M., et al., "High Levels of IL-17 in Rheumatoid Arthritis Patients: IL-15 Triggers In Vitro IL-17 Production Via Cyclosporin A-Sensitive Mechanism," <i>J. Immunol.</i> 164:2832-2838, The American Association of Immunologists (March 2000)
	AT	76	Zuercher, A.W., et al., "Oral anti-IgE immunization with epitope-displaying phage," <i>Eur. J. Immunol.</i> 30:128-135, Wiley-Vch Verlag GmbH (January 2000)

EXAMINER

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	AO						Yes No
	AP						Yes No

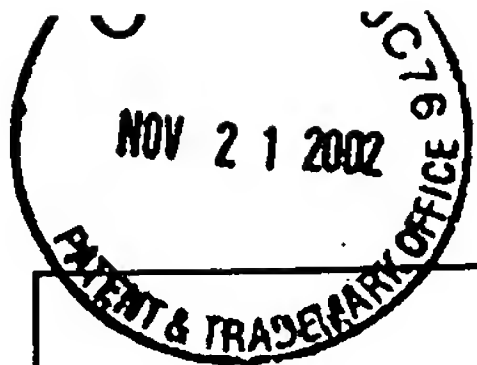
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>77</u>	Copy of co-pending U.S. Application No. 09/449,631, inventors Renner et al., filed November 30, 1999.
	AS	<u>77</u>	Copy of co-pending U.S. Application No. 10/050,898, inventors Renner et al., filed January 18, 2002.
	AT	<u>77</u>	Fehr, T., et al., "T cell-independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," Proc. Natl. Acad. Sci. USA 95:9477-9481, National Academy Press (1998)

EXAMINER

DATE CONSIDERED

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1700.0190004/JAG/BJD/SJEAPPLICATION NO.  
10/050,902APPLICANT  
RENNER et al.FILING DATE  
January 18, 2002GROUP  
To be assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	78	Frenkel, D., et al., "Generation of auto-antibodies towards Alzheimer's disease vaccination," Vaccine 19:2615-2619, Elsevier Science, Ltd. (March 2001)
	AS	78	International Search Report for International Application No. PCT/IB02/00166 mailed on October 29, 2002.
	AT	78	International Search Report for International Application No. PCT/IB02/00168 mailed on November 4, 2002.

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